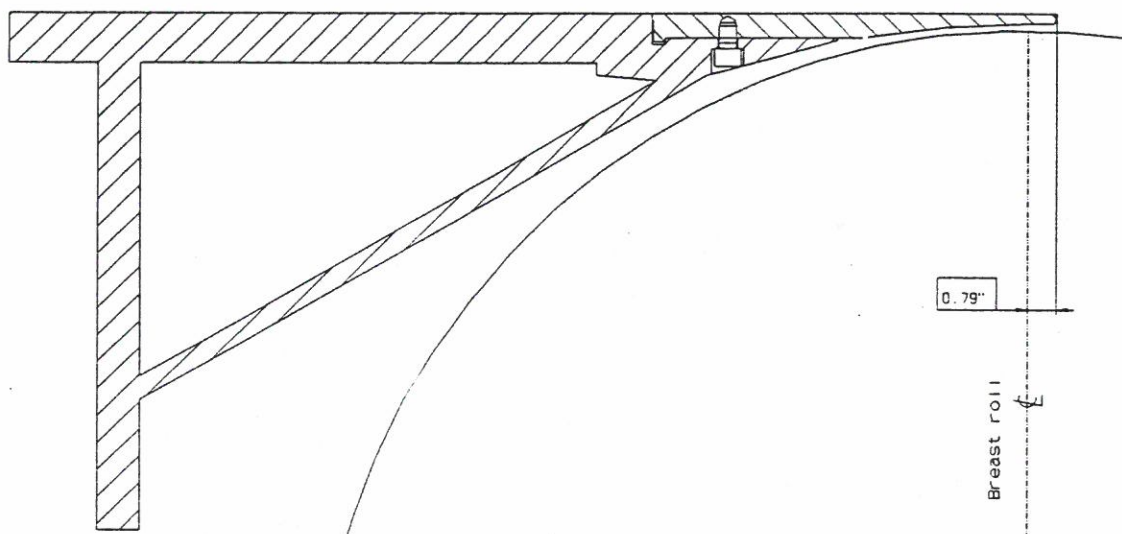


APRON

The apron is stationary. The tip of the apron is 0.79 in. in front of the breast roll center line. The headbox bottom part is supported so that deflection of apron is as small as possible.



DIMENSIONING AND BASIC DATA, Dwg RA 890 028**GENERAL**

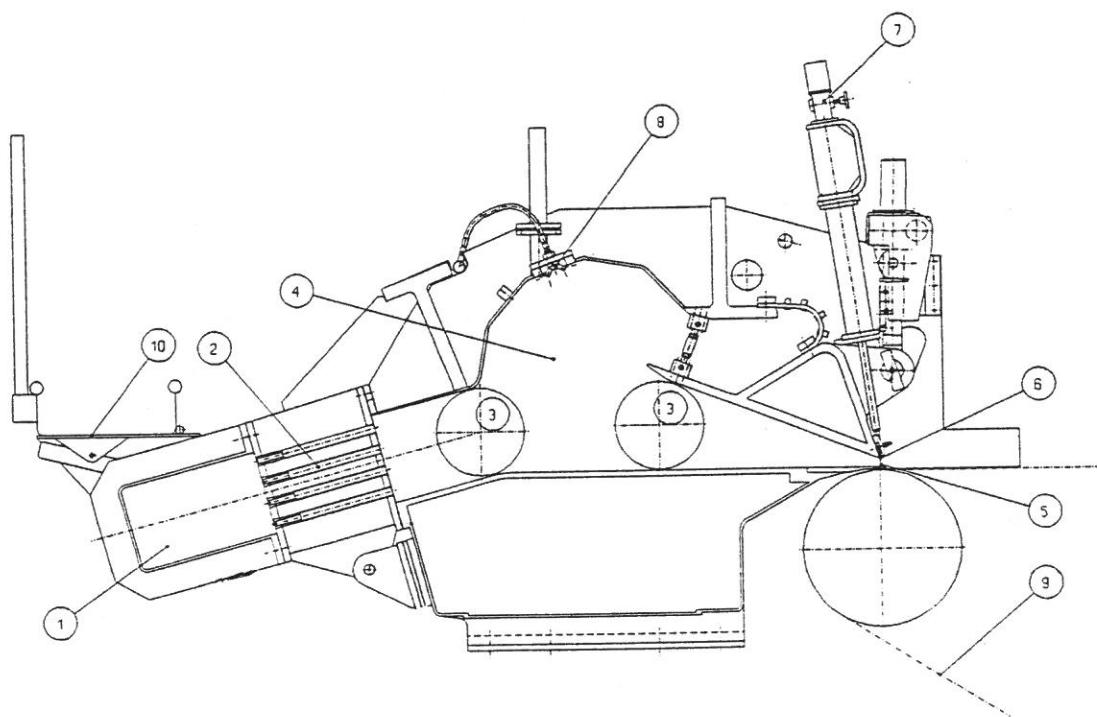
The pneumatic headbox is of closed pneumatic design. The outlet speed is adjusted by adjusting the speed of the fan pump.

Dimensioning data of headbox:

<i>Slice width</i>	<i>177.17 in.</i>
<i>Design flow</i>	<i>6,550 GPM</i>
<i>Minimum flow</i>	<i>2,840 GPM</i>
<i>Maximum flow</i>	<i>8,525 GPM</i>
<i>Design headbox consistency</i>	<i>0.65 to 0.8%</i>
<i>Recirculation rate</i>	<i>10 % max.</i>
<i>Overflow</i>	<i>approx. 2%</i>
<i>The bottom lip is stationary and its position to the center line of the breast roll is</i>	<i>0.79 in.</i>
<i>Top lip adjustment range, vertically</i>	<i>0.19-4.7 in.</i>
<i>Horizontally in relation to apron tip</i>	<i>0-1.18 in.</i>
<i>Max. adjustment difference between two adjacent adjusting rods</i>	<i>0.012 in.</i>

In a pneumatic headbox the stock is led from the drive side to the header (1) through distributor element (2) to the main vat (4). There are two rectifier rolls (3) in the main vat (4). When stock flows through the distributor element (2) a strong homogenizing turbulence has arisen in the stock and this gets stronger when the stock flows through the rectifier rolls (3). The arisen micro-turbulent stock flow goes to the slice area and through the slice furnished with fine adjusted slice strip (6) to the wire (9).

TAMFLO RL cross section



Pneumatic headbox TAMFLO RL

- | | |
|------------------------|------------------------------------|
| 1. Header | 6. Slice strip |
| 2. Distributor element | 7. Adjusting screws of slice strip |
| 3. Rectifier rolls | 8. Showers |
| 4. Main vat | 9. Wire |
| 5. Top and bottom lip | 10. Walkway |

RECTIFIER ROLL OPERATION

The sealing water flow must be on before rotating the rectifier rolls. The recommended sealing water flow is 1.3 gall/min.

The rectifier rolls rotation direction and speed can be choosen. Recommended rotation speed is 10 rpm. The rectifier rolls should rotate before starting the fan pump. If a rectifier roll stops during the machine run, the reason must be found and fixed.

Technical data:

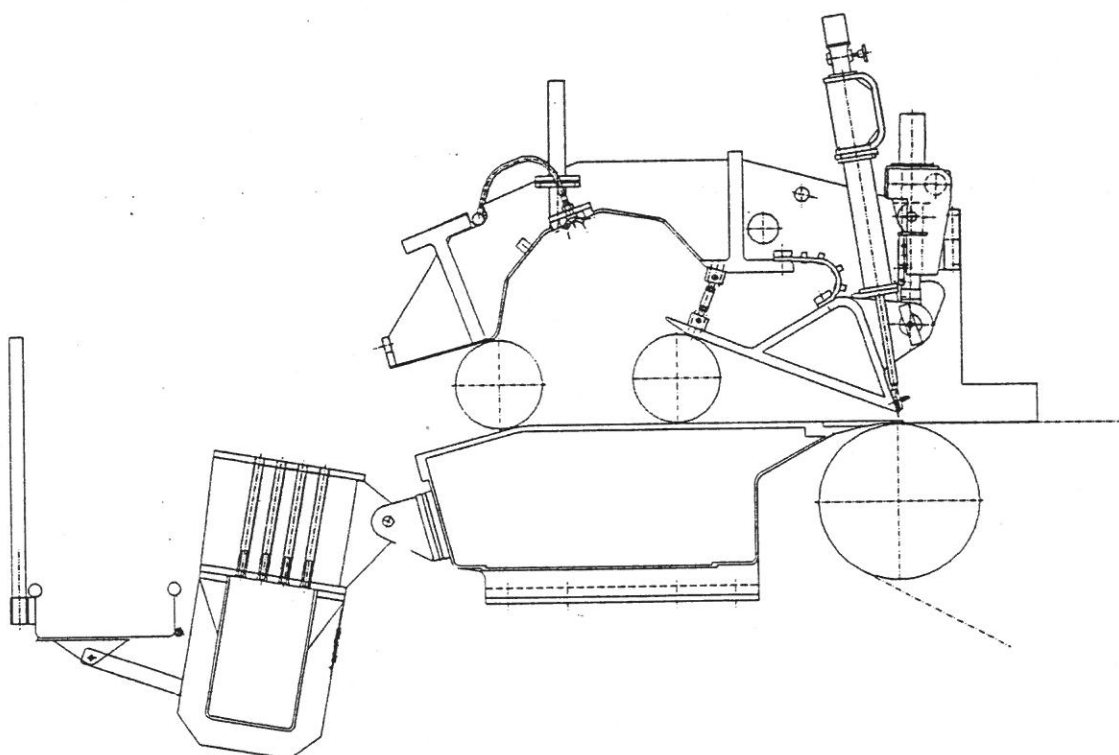
1st roll	
diameter	11.06 in
open area	36 %

2nd roll	
diameter	11.06 in
open area	49 %

Drive	Bauer gear motor CFG1- 211/D1A6-283 H4/II/A
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Bearing	SKF 22211CC
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CLEANING POSITION TAMFLO RL



HEADBOX COMPONENTS

INLET PIPING, Dwg RA 890 299

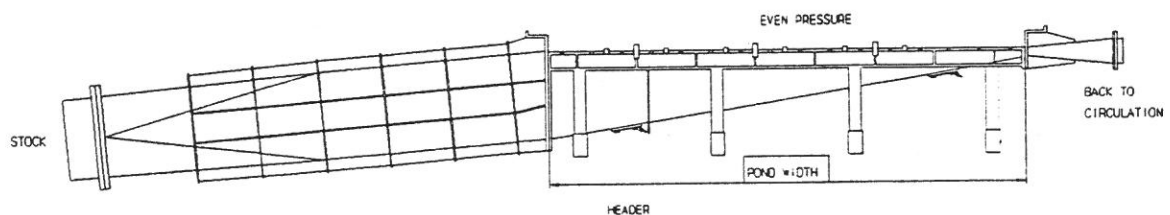
The purpose of the inlet piping is to distribute the stock evenly over the whole machine and turn the flow into machine direction.

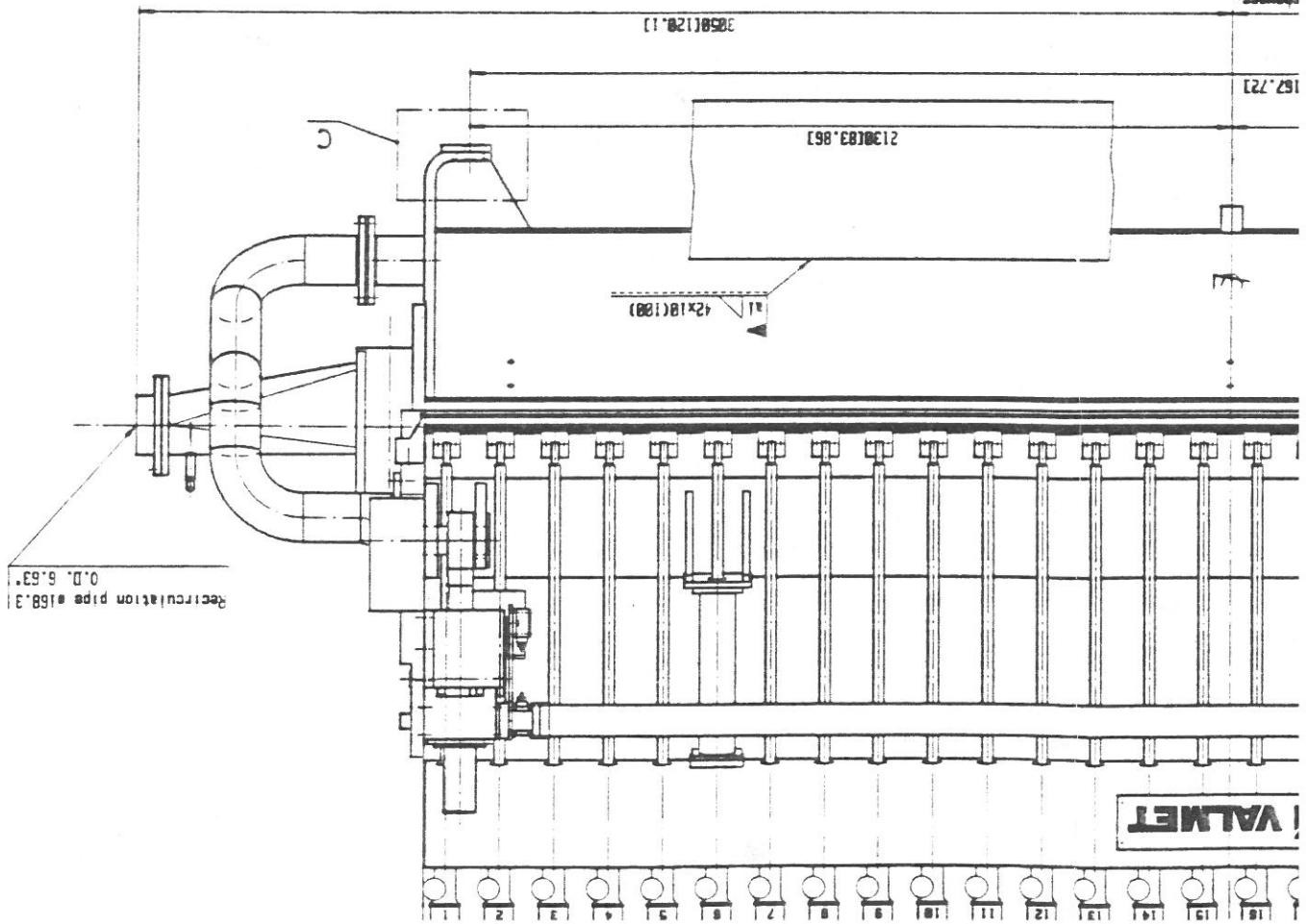
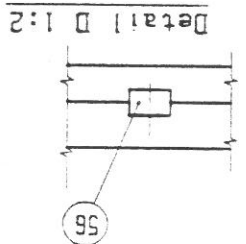
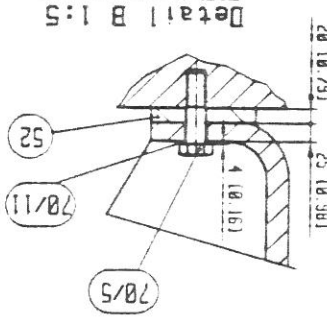
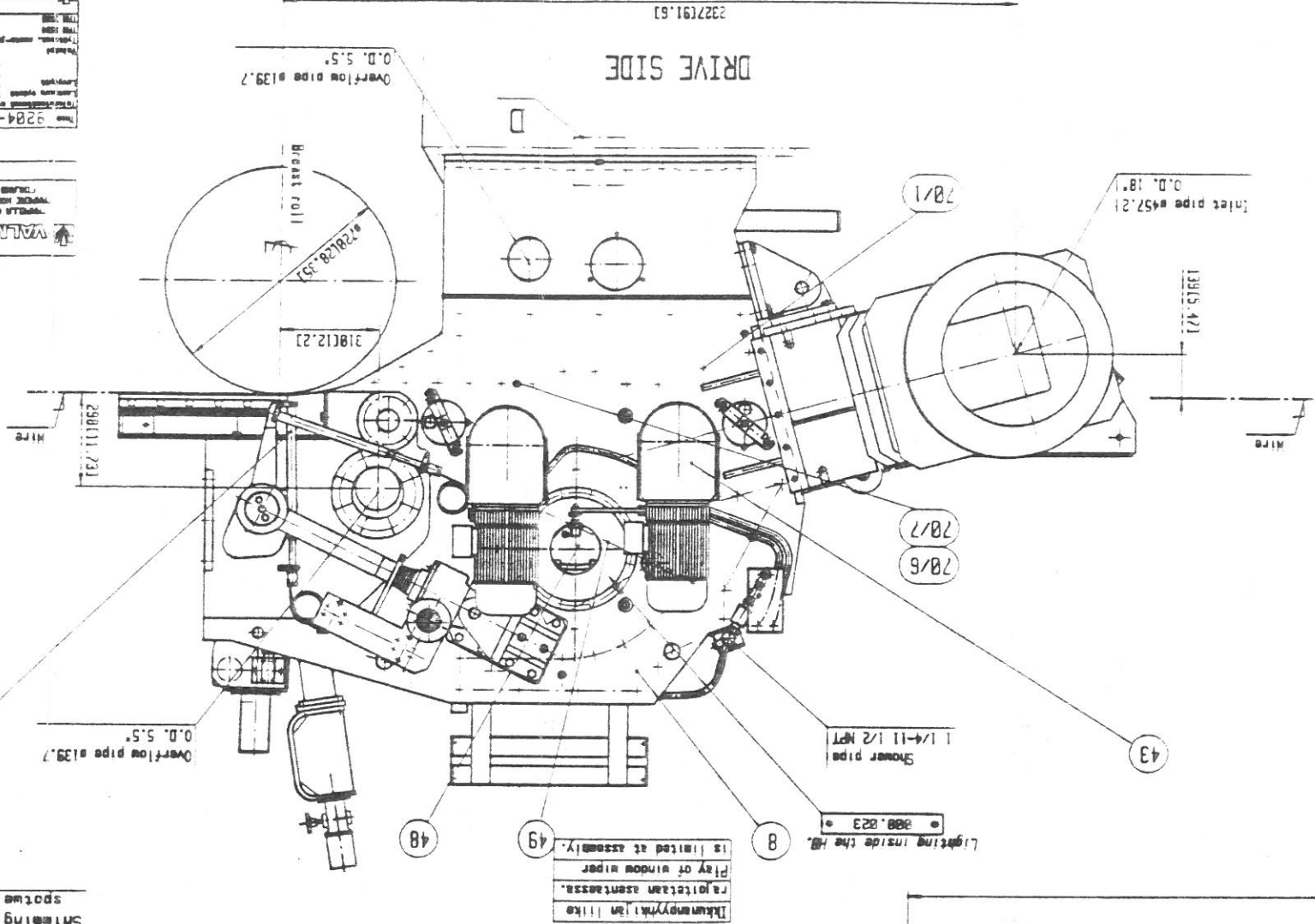
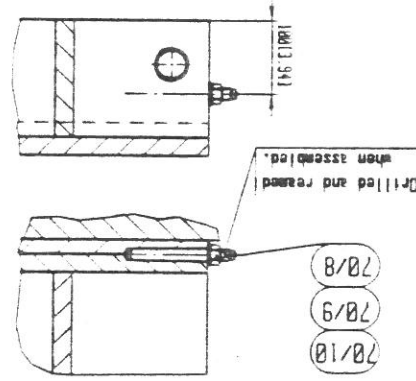
The stock enters the headbox from drive side through inlet pipe, header and distributor element.

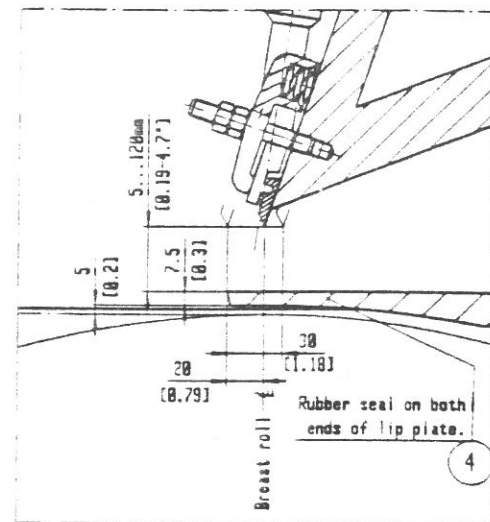
To guarantee trouble-free operation of the header the velocity profile of the flow in the inlet pipe should be even.

At the smaller end of the rectangular one-sided tapered header a provision for recirculation is made for balancing the pressure. To adjust the pressure in the header, recirculation valve should be opened as much as needed. The pressure in the drive side and in the tending side of the header should be the same.

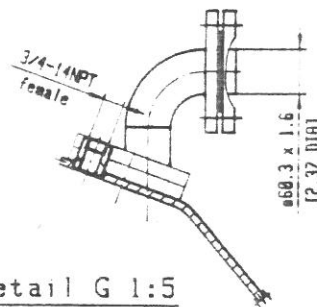
There is a sight glass behind the header. The recirculation is adjusted according to the flow in the sight glass. If there is no flow in the sight glass, it means that the pressure is even in both sides of header. An even pressure in the header guarantees same flow speed over the whole machine in each distributor pipe.



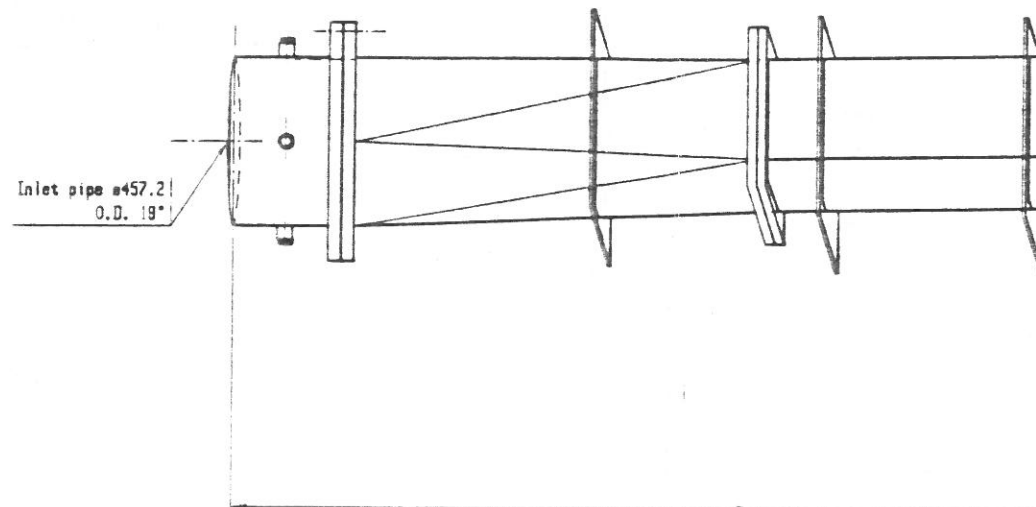




Detail A 1:2



Detail G 1:5



Inlet pipe 457.2
O.D. 18''

5003.8 (197)

Front wall with top slice lip and micrometric fine adjustment device.
• 000.074 •

Equipment for vertical and horizontal adjustment of the front wall.
• 000.072 •

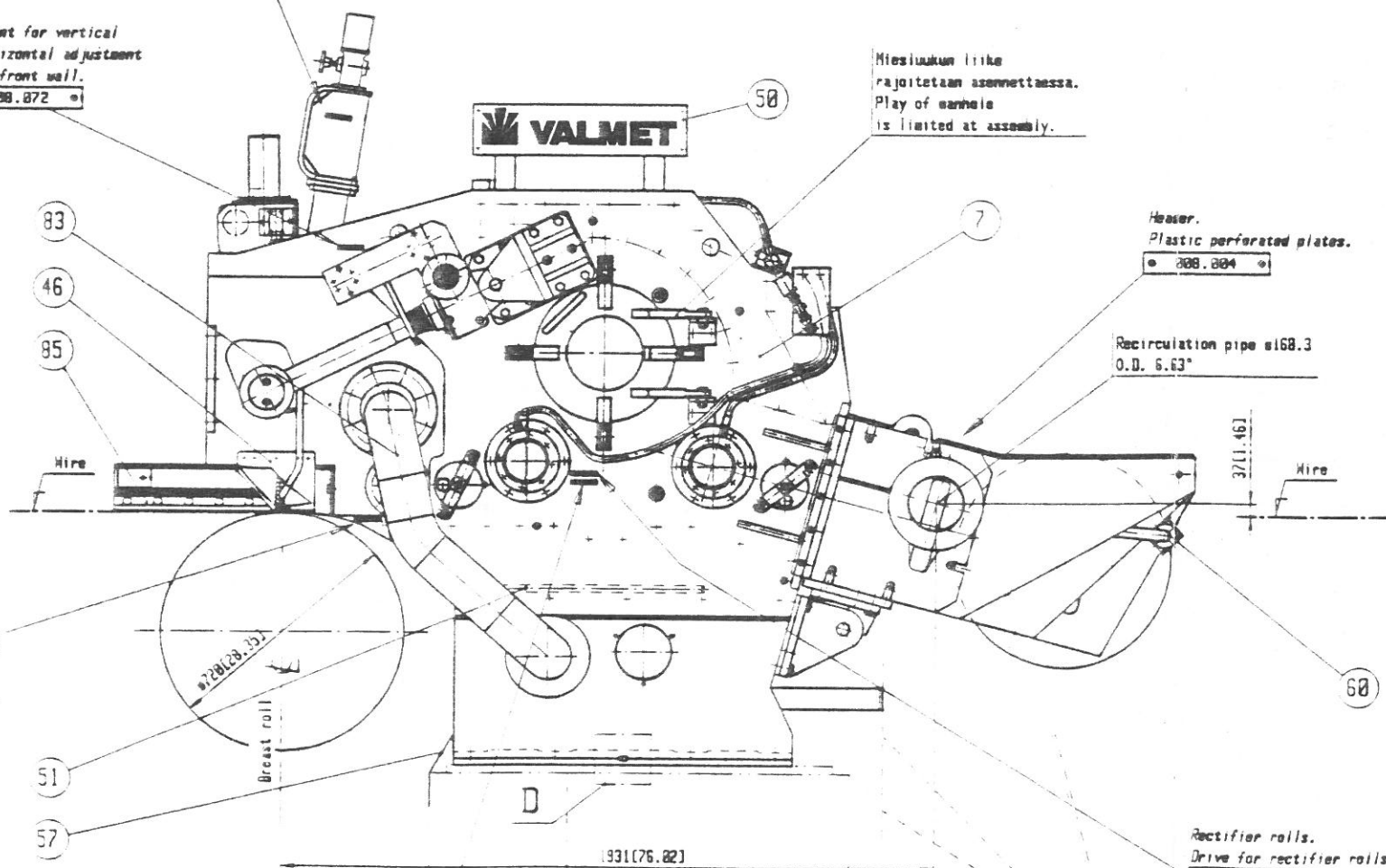
Hiesiukun liike rajoitetaan asennettaessa.
Play of warhole is limited at assembly.

Heuser.
Plastic perforated plates.
• 000.004 •

Recirculation pipe 168.3
O.D. 6.63''

• 000.002 •
Bottom table and bottom slice lip.

Rectifier rolls.
Drive for rectifier rolls.
• 000.038 •



TENDING SIDE

